

Abstract of the Disclosure

The preferred embodiments described herein provide a method for field-programming a solid-state memory device with a digital media file. In one preferred embodiment, a solid-state memory device is provided that comprises a memory array comprising a plurality of field-programmable memory cells. A digital media file is selected for storage in the memory device, and a digital media source field-programs the memory cells of the memory device with the selected digital media file. After the digital media file is stored in the memory device, the stored digital media file can be played using a digital playback device. In some embodiments, the memory array is a three-dimensional memory array, and the memory cells are write-once memory cells. Other preferred embodiments are provided, and each of the preferred embodiments described herein can be used alone or in combination with one another.

FIG. 1 is a block diagram of a system 100 for field-programming a solid-state memory device with a digital media file. The system 100 includes a digital media source 102, a solid-state memory device 104, and a digital playback device 106. The digital media source 102 is configured to select a digital media file for storage in the solid-state memory device 104 and to field-program the memory cells of the memory device 104 with the selected digital media file. The solid-state memory device 104 includes a memory array 108 comprising a plurality of field-programmable memory cells 110. The digital playback device 106 is configured to play the stored digital media file from the memory device 104.